Claims

1) Method for regulating a jitter buffer (JP) for buffering a data packet stream wherein
   a) a transmission delay (d_p) due to buffering is in each case registered for the data packets (DP1, DP2, DP3) of the data packet stream,
   b) weighted mean delay values (d_l) are continuously derived from registered transmission delays (d_p), with a shorter transmission delay being weighted higher than a longer transmission delay, and
   c) a read-out speed (CLK) of the jitter buffer (JP) is regulated as a function of the continuously derived weighted mean delay values (d_l) in such a way that said values are adjusted as a regulating variable to a predefined desired delay (sd_l).

2) Method according to Claim 1
   characterized in that
   a new weighted mean delay value (d_l) is derived from a previously derived weighted mean delay value and a currently registered transmission delay (d_p).

3) Method according to one of the preceding Claims
   characterized in that
   a currently registered transmission delay (d_p) is compared with a previously derived weighted mean delay value, and the weighting of the currently registered transmission delay (d_p) is determined as a function of the result of the comparison.

4) Method according to Claim 3
   characterized in that
   the currently registered transmission delay (d_p) is weighted with a first predefined weight value ($ß_1$) if the currently registered transmission delay (d_p) is shorter than the previously derived weighted mean delay value and is weighted with a second predefined weight value ($ß_2$) if the currently registered transmission delay (d_p) is longer than the previously derived weighted mean delay value, with the first weight value ($ß_1$) being larger than the second weight value ($ß_2$).

5) Method according to one of the preceding Claims
characterized in that
the regulating variable (d_l) is regulated by a single regulating circuit.

6) Jitter buffer regulating circuit for regulating a jitter buffer (JP) for buffering a data packet stream with

a) a registration device (EE) for registering a transmission delay (d_p) due to buffering of a respective data packet (DP1, DP2, DP3) of the data packet stream,

a) a mean-forming device (ME) for continuously deriving weighted mean delay values (d_l) from registered transmission delays (d_p), with higher weighting of a shorter transmission delay compared to a higher transmission delay, and

b) a regulating device (RE) for adjusting the continuously derived weighted mean delay values (d_l) to a predefined desired delay (sd_l) by means of regulating a read-out speed (CLK) of the jitter buffer (JP) as a function of the continuously derived weighted mean delay values (d_l).